UNCLAS

"This is a corrected SOUM. TACOM Control No. SOUM-03-009 has been corrected by changing LIN H57462 to LIN H57642. The previous version of SOUM-03-009 should be discarded and replaced with this corrected copy."

SUBJECT: Safety Of Use Message (SOUM) TACOM Control No. SOUM-03-009, Operational: M109A6 Self-Propelled Howitzers Electrical And Hydraulic System Fire, NSN 2350-01-305-0028, LIN H57642 (Correction of LIN)

- 1. Reference: TM 9-2350-314-10, Operator's Manual For Howitzer, Medium, Self-Propelled: 155MM, M109A6, Change 2, 15 January 2002.
- 2. Distribution: Note this is a "Safety Of Use Message". MACOM Commanders will immediately retransmit this message to all subordinate commands/activities within 24 hours of receipt of this message and acknowledge receipt of this message within five working days to Safety Office, Tank-automotive and Armament Command-Rock Island (TACOM-RI), AMSTA-CS-CZR, Rock Island, IL 61299-7630, e-mail: amsta-cs-czr@ria.army.mil.
- 3. Problem Discussion:

- A. Summary Of Problem. Recently there was an electrical and hydraulic system fire during operation of an M109A6 Self-Propelled Howitzer resulting in minor injuries to crew and catastrophic loss of vehicle.
- B. Parts, Assembly, Or Components To Be Inspected. Investigation has identified loosened hydraulic accumulator/mounting bracket and screws as contributing factors. Loosened hydraulic accumulator may strike electrical system components and initiate hydraulic system fire.

4. User Actions:

- A. Inspection Procedures. Before next operation of the vehicle, crewmen need to verify that the pulse accumulator (NSN 1420-01-149-0718, TM 9-2350-314-10, page 1-24, item 17), and bracket are securely attached to the hydraulic compartment wall. Firmly grasp the accumulator and attempt to shake it. Any looseness or movement means the M109A6 is non-mission capable and requires repair by organizational maintenance, to include replacement of screws and lock washers.
- B. Correction Procedures. Crew personnel are instructed to make the following pen and ink Preventive Maintenance Checks and Services (PMCS) changes to TM 9-2350-314-10 page 2-31, PMCS table 2-1, item number 25:
- (1) Add the following two steps to Crewmember Procedure column: a.1 By grasping and attempting to shake pulse accumulator, ensure accumulator and bracket are securely attached to the hydraulic compartment wall. If looseness or movement occurs, notify organizational maintenance. a.2 Check for loose or missing screws and washers, notify organizational maintenance.
- (2) Add the following to Not Fully Mission Capable If column: Hydraulic accumulator or mounting bracket is not secured to hydraulic

compartment wall.

5. Program Sponsor Action: The Project Manager is developing appropriate technical manual changes for incorporation into the next TM revision.

6. Points Of Contact:

- a. Technical Information. Mr. Arthur L. Peace or Mr. Gary Aho, AMSTA-LC-CFPL, Rock Island, IL 61299-7630, DSN 793-3242 or 6819, Commercial (309) 782-3242 or 6819, Email: arthur.peace@us.army.mil or gary.aho@us.army.mil.
- b. Safety. Mr. Gavin Ziegler, AMSTA-CS-CZR, Rock Island, IL 61299-7630, DSN 793-2995, Commercial 309-782-2995, E-Mail: gavin.ziegler@us.army.mil.